

Fig. 1.

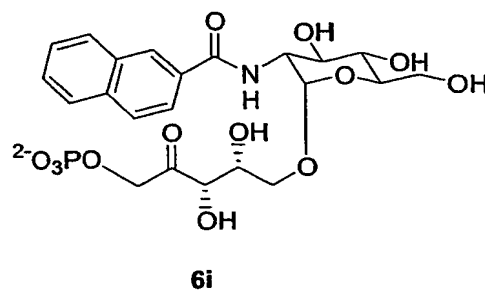
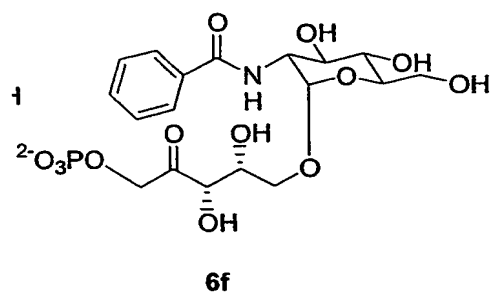
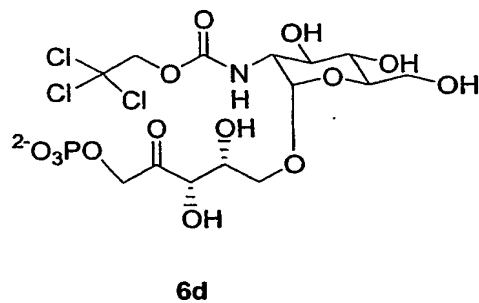
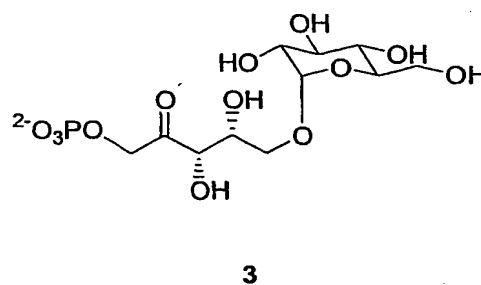
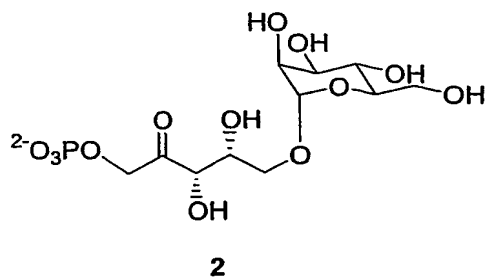
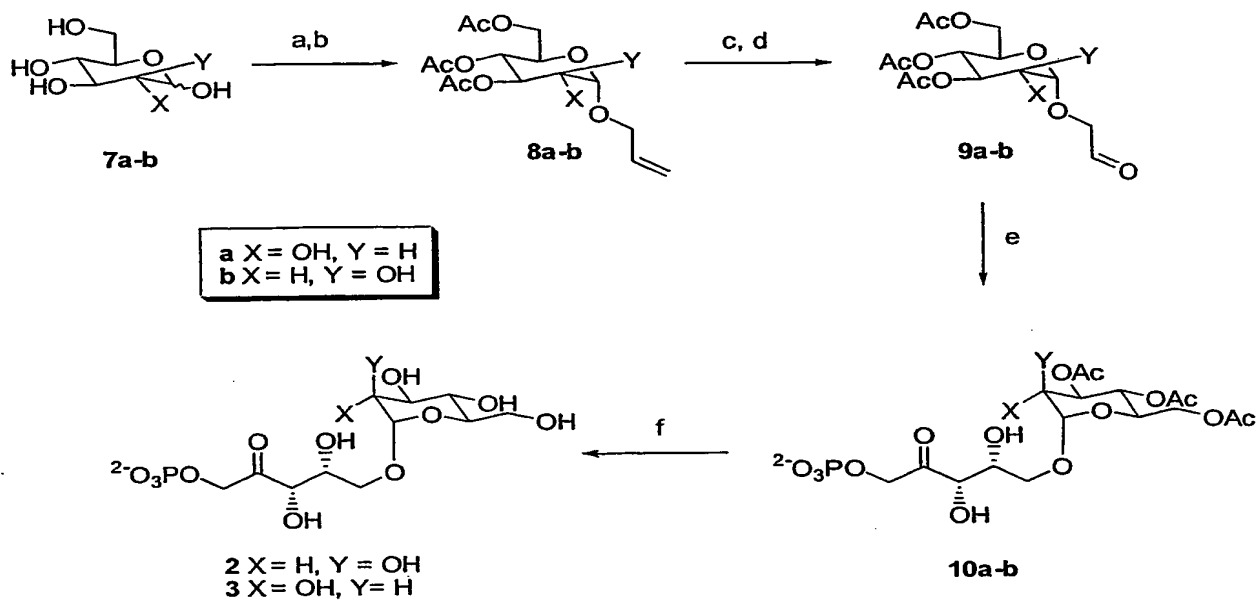


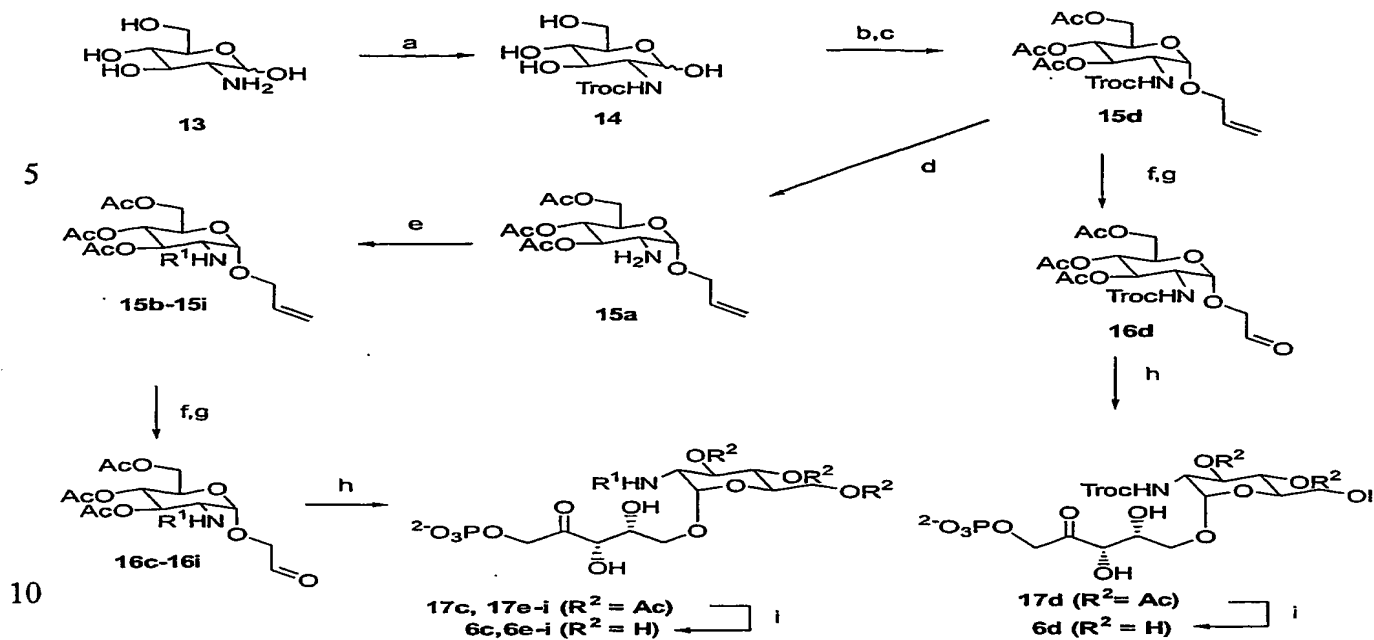
Fig. 2



Reagents: (a) allyl alcohol, camphersulfonic acid; (b) Ac_2O , pyr; (c) OsO_4 , NMO; (d) NaIO_4 ;

(e) DHAP, FruA; (f) NaOMe .

Fig. 3



Conditions: (a) Troc-Cl; (b) allyl alcohol, camphersulfonic acid; (c) Ac₂O, pyridine; (d) zinc, AcOH; (e) R¹-Cl; (f) OsO₄, NMO; (g) NaIO₄; (h) DHAP, FruA; (i) NaOMe.

Compound	R ¹	Compound	R ¹
c		g	
d		h	
f		i	